



Replacement Sheet

1/20

SGK	²⁵⁶ TTSTFCGTPPEYLAPE..... ⁴²² FLGFSYAPP
PKBQ	³⁰⁸ TMKTFCGTPEYLAPE..... ⁴⁷³ FPQFSYSAS
p70 S6K	²²⁹ VTHFCGTIEYMAPE..... ³⁸⁹ FLGFTYVAP
PKCQ	⁵⁰⁷ RASTFCGTPDYIAPE..... ⁶⁶⁴ FAGFSFVNP

Figure 1

Sec ID No: 45

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Figure 11

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[illegible]

Figure 12

Replacement Sheet

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** SEQ ID No: 4

* SEQ ID No: 3

SGK2β SEQ ID No: 8

hSGK1	MTVKTFAAKG	TLTYSRMRGM	VAILIATKXQ	RRRGGLPDEIQ	KIANNNSYAK
hSGK2	MQGLLTSGGR	PSGGGRCTGR	GGWRGQWCLK	PWGGGAD	-PPTPTLSL
mSGK2*					
hSGK3	MALEIFAKKI	FGD-----	-NFPDPTKQ	RRAGLMEFTQ	NLVRYPPELYN

SGK2α SEQ ID No: 1

hSGK1	HPFVQSILKI	SPQEPPELMN	ANFSEEPS-	---S-QETIM	GPSNPNPAKP
hSGK2	LLFVPPPLPD	HCYRNNSSPA	GTSPQPSR-	---ANGNINL	GPSANPNACP
mSGK2		---MSSPV	GVSPQPSR	---ANGNINL	GPSANPNAPK
hSGK3	HPFVRAFLQM	DSRKHQSDPS	EDEDERSQK	LHSTSONINL	GPSNPNPAKP

hSGK1	SDPEENNVIC	KGSFGRVLLA	RFAAEVFFYA	VVLQKRRAIL	KRKEBRIETES
hSGK2	TDPEENNVIC	KGNVGRVLLA	KRNSDGAFFYA	VVLQKRRIIL	KRKEQSHITVA
mSGK2	TDPEENNVIC	KGNVGRVLLA	KRNSDGAFFYA	VVLQKRRIIL	KRKEQSHITVA
hSGK3	TDPEENNVIC	KGSFGRVLLA	KRRIDGRFFYA	VVLQKRRIIVL	KRKEQSHITVA

hSGK1	ERNVIRANVVK	HEETVNGLEYS	FQTERKIAIV	LDYVNGGGER	YHLQREKFL
hSGK2	ERSVIRANVVR	HEETVNGLEYS	FQTERKIAIV	LDYVNGGGER	YHLQREKFL
mSGK2	ERNVIRANVVR	HEETVNGLEYS	FQTERKIAIV	LDYVNGGGER	YHLQREKFL
hSGK3	ERNVIRANVVK	HEETVNGLEYS	FQTERKIAIV	LDYVNGGGER	YHLQREKFL

hSGK1	EPRAREYAAE	IASALGVYAES	LNIVYRMANE	ENIRARDQGH	IVVITDEGLCK
hSGK2	EPRAREYAAE	VASTAGVYAES	LNIVYRMANE	ENIRARDQGH	IVVITDEGLCK
mSGK2	EPRAREYAAE	VASTAGVYAES	LNIVYRMANE	ENIRARDQGH	IVVITDEGLCK
hSGK3	EPRAREYAAE	IASALGVYAES	IKIVYRMANE	ENIRARDQGH	IVVITDEGLCK

hSGK1	EVLEHNSVTS	TECGVTEYLA	PEVLRKQEPYD	RAVDNRNCGA	VITVDMVGLP
hSGK2	EGVLEHNSVTS	TECGVTEYLA	PEVLRKQEPYD	RAVDNRNCGA	VITVDMVGLP
mSGK2	EGVLEHNSVTS	TECGVTEYLA	PEVLRKQEPYD	RAVDNRNCGA	VITVDMVGLP
hSGK3	EGVLEHNSVTS	TECGVTEYLA	PEVLRKQEPYD	RAVDNRNCGA	VITVDMVGLP

hSGK1	PFYSRNTAEM	VENITNKPFLQ	LKPNTNFSAR	ELLEGILCKD	RTRNLGAKED
hSGK2	PFYSRNTAEM	VENITNKPFLQ	LPGRRTVZAC	ELLEGILCKD	CQRRLGKED
mSGK2	PFYSRNTAEM	VENITNKPFLQ	LPGRRTVZAC	ELLEGILCKD	CQRRLGKED
hSGK3	PFYSRNTAEM	VENITNKPFLQ	LRFQVSLTAN	SILEELLSND	RQNLGAKED

hSGK1	FLKINSHVEF	SLINIMDDIN	KRIEPPFNPN	VEGPNELRHF	DEETEBEVEF
hSGK2	FLKINSHVEF	SLINIMDDIN	KRIEPPFNPN	VEGPNELRHF	DEETEBEVEF
mSGK2	FLKINSHVEF	SLINIMDDIN	KRIEPPFNPN	VEGPNELRHF	DEETEBEVEF
hSGK3	FLKINSHVEF	ESLSADIVQ	KRIEPPFNPN	VEGPNELRHF	DEETEBEVEF

hSGK1	NSIGKSPDSV	LVTASVKEAA	BAFLGESYAP	EDSFL--
hSGK2	NSIGKSPDSV	---ASSSCAS	BAFLGESYAP	EDSFL--
mSGK2	NSIGKSPDSV	---ASSSCAS	BAFLGESYAP	EDSFL--
hSGK3	NSIGKSPDSV	LVTASVKEAA	BAFLGESYAP	EDSFL--

Figure 13